

REMARKS

Claims 1-48 are pending in the present patent application. The Examiner has rejected claims 1-48. Applicant respectfully requests reconsideration of claims 1-48 in view of at least the following remarks.

I. Rejection of Claims 1-2, 5-13, 16-24, 27-31, 33, 35-38 and 42-48 Based on 35 U.S.C. § 102(e)

The Examiner has rejected claims 1-2, 5-13, 16-24, 27-31, 33, 35-38 and 42-48 are rejected under 35 U.S.C. § 102(e) as being clearly anticipated by Diener, U.S. Pat. No. 5,784,562. In relevant part, the Examiner states:

Diener discloses a computing system comprising:

- a) a plurality of data service providers (52, 60, fig. 1b) coupled to an interconnect fabric for providing data/services,
- b) a proxy service (44, fig. 1b) for providing user login service, maintaining user accounts, tracking user sessions, processing user's requests and retrieving data from the data service providers for delivery to users in response to user's requests wherein the session server allows user to interrupt a session at one interface device and resume the session at another interface device at later time (see col 1, lines 53-66 and col 2, lines 5-38),
- c) a stateless human interface device (32, fig. 1a) comprising:
 - i. input means for initiating a session and transmitting a request to the proxy service,
 - ii. means for receiving data from the proxy service,

- iii. means for displaying the received data (see col 4, lines 16-23).

It is noted that a login process usually requires a password.

Applicant respectfully disagrees and submits that claims 1-2, 5-13, 16-24, 27-31, 33, 35-38 and 42-48 are allowable for at least the following reasons:

1. *Diener does not teach or suggest, let alone anticipate a stateless human interface device.*
2. *Diener does not teach or suggest, let alone anticipate an active session associated with a user that is maintained when a user is disconnected from a stateless human interface device.*
3. *Examiner has not provided a proper basis of rejection for all named elements of independent Claims 10, 43, and 47.*

Each of these distinctions is discussed in further detail below.

1. Diener does not teach or suggest, let alone anticipate a stateless interface device.

Applicant's independent claims 1, 10, 17, 28, 43-44 and 47 include:

a stateless human interface device coupled to said interconnect fabric for receiving and rendering said data

Applicant submits that Diener does not teach, suggest, or describe these steps. In the Examiner's rejection of claims 1, 10, 17, 28, 43-44 and 47 the Examiner relied upon Diener to address these steps. Specifically, in the last paragraph on page 2

through the first paragraph on page 3 of the Office Action, the Examiner asserts that Diener discloses:

a stateless human interface device (32, fig. 1a) comprising:

Diener discloses a processing system for repeatedly exchanging information that allows an application on a network server node and a network browser on a client node to maintain dialog continuity between the nodes, even though the communications channel between the two nodes may be disrupted. For example, column 1, lines 56-66 of Diener state:

More particularly, the present invention allows an application on a network server node and a network browser on a client node of the communications network to repeatedly exchange information, such as fill-out forms information, wherein a continuity in the context of the dialog between these network nodes is maintained by the application on the server node even though the network communications protocol may not provide a sustained network connection between the client and the server node (i.e., the protocol breaks down or disconnects an established communication channel between the client and server node).

In accordance with this goal, the element of Diener cited by the Examiner describes a typical personal computer interface device as the client node. For instance, at column 4, lines 16-19, Diener states:

Thus, using interactions related to user 1 as illustrative in describing FIGS. 1A and 1B, user 1 interacts with client node (e.g., personal computer) 32a to communicate with the present invention.

Thus, in Diener, the network client node is described as a traditional networked personal computer, which is a traditional state machine. However, Diener, does not disclose a stateless human interface device anywhere.

In contrast to Diener, Applicant claims a method comprising:

a stateless human interface device coupled to said interconnect fabric for receiving and rendering said data

Here, the interface device is a stateless human interface device that does not require persistent communications. Therefore, the stateless human interface device of the Applicant's invention is distinct from the traditional personal computer state machine of Diener.

2. Diener does not teach or suggest, let alone anticipate an active session associated with a user that is maintained when a user is disconnected from an interface device.

Applicant's independent claims 1, 10, 17, 28, 43-44 and 47 include:

a stateless human interface device coupled to said interconnect fabric for receiving and rendering said data, wherein said data source is configured to maintain an active session associated with a user when said user is disconnected from said stateless human interface device

Applicant submits that Diener does not teach, suggest, or describe these steps. In the Examiner's rejection of claims 1, 10, 17, 28, 43-44 and 47 the Examiner relied upon Diener to address these steps. Specifically, in the last paragraph on page 2 through the first paragraph on page 3 of the Office Action, the Examiner asserts that Diener discloses:

a proxy service (44, fig. 1b) for providing user login service, maintaining user accounts, tracking user sessions, processing user's requests and retrieving data from the data service providers for delivery to users in response to user's requests wherein the session server allows user to interrupt a session at one interface device and resume the session at another interface device at later time (see col 1, lines 53-66 and col 2, lines 5-38)

As discussed above, Diener discloses a system for repeatedly exchanging information that allows for maintained dialog continuity between two network

nodes, even though the communications channel between the two nodes may be disrupted. In accordance with this goal, the portions of Diener cited by the Examiner describe a server running sessions during a maintained dialog between network nodes in light of protocol breaks and communication channel disconnects. Again, column 1, lines 56-66 of Diener state:

More particularly, the present invention allows an application ... to repeatedly exchange information, ... wherein a continuity in the context of the dialog between these network nodes is maintained ... even though the network communications protocol may not provide a sustained network connection between the client and the server node (i.e., the protocol breaks down or disconnects an established communication channel between the client and server node).

In addition, at column 2, lines 9-21, Diener states:

The forms processor of the present invention establishes and maintains a client context at the server node by: (a) creating an identifier for uniquely identifying communications between the client and server node that belong to a particular "dialog session" of iterative fill-out form (or more generally, document) information exchanges, and (b) embedding this identifier within a data structure compatible with the network protocol so that the data structure can be provided in communications from the server node to the client node and, additionally, automatically returned with each client node response that is part of the dialog session.

Similarly, at column 2, lines 26-30, Diener states:

In particular, for each dialog session with a user (at a client node), the accumulated information related to user responses received at the server node is stored in the user context data base so that it is accessible via the session identifier for the dialog session.

Finally, at column 8, lines 35-37, Diener states:

a determination is made as to whether the input information includes a session identifier for a dialog session between the user (at a client node) and the document processing

Thus, in Diener, execution of a server session during a maintained dialog session of iterative information exchanges between a user at a client node and a server is described. However, there is no mention or suggestion that a user session is maintained when the user-server dialog is no longer maintained. Instead, there is only the implication that a new server session is initiated at login of each user-server dialog. Thus, Diener, does not describe maintaining an active session when the user is disconnected from the user interface device.

In contrast to Diener, Applicant claims a method comprising:

a stateless human interface device coupled to said interconnect fabric for receiving and rendering said data, wherein said data source is configured to maintain an active session associated with a user when said user is disconnected from said stateless human interface device

Here, the data source maintains an active session, even when the user has disconnected from the human interface device and there is no longer a dialog between the interface and the data source. Therefore, the maintaining of an active session for a user when that user is disconnected from the user interface of the Applicant's invention is distinct from the maintaining an active session during a maintained dialog session between the client and server of Diener.

3. Examiner has not provided a proper basis of rejection for all named elements of independent Claims 10, 43, and 47.

It is noted that the Examiner has not identified a specific basis for rejection of all named elements of Applicant's independent claims. For example, the grounds of rejection cited by Examiner for claim 10 (in this document, see citation above for Examiner's rejection of claims 1-2, 5-13, 16-24, 27-31, 33, 35-38

and 42-48). However, for claim 10, the Examiner has not identified a basis of rejection for:

an identifier used by a user at one of said stateless human interface devices which identifies said user such that a session associated with said user is directed through said interconnect fabric to one of said stateless human interface devices.

Also, the grounds of rejection cited by Examiner for claim 43 (in this document, see same citation above as for claim 10). However, for claim 43, the Examiner has not identified a basis of rejection for:

operating on said data by said one or more of said plurality of computational service providers to produce modified data wherein said step of operating includes changing state and performing computations; providing said modified data to said stateless interface device from said computational service providers across said interconnect fabric

Therefore, Applicant requests that the rejected status of claims 10, 43, and 47 be reconsidered, and that more specific basis for rejection of the elements given above be provided. Absent a specific rejection, Applicant submits that claims 10, 43, and 47, as amended, are allowable.

Dependent Claims 2, 5-9, 11-13, 16, 18-24, 27, 29-31, 33, 35-38, 42, 45-46, and 48

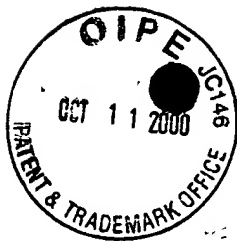
Applicant respectfully submits that claims 2, 5-9, 11-13, 16, 18-24, 27, 29-31, 33, 35-38, 42, 45-46, and 48 being dependent upon respective allowable base claims 1, 10, 17, 28, 43-44 and 47 are also allowable for at least the foregoing reasons stated above.

II. Rejection of Claims 3-4, 14-15, 25-26, 32, 34, and 39-41 Based on 35 U.S.C. § 103

The Examiner has rejected claims 3-4, 14-15, 25-26, 32, 34, and 39-41 under 35 USC §103 as being unpatentable over Diener in view of White. Applicant respectfully disagrees and submits that claims 3-4, 14-15, 25-26, 32, 34, and 39-41 are allowable for at least the following reasons:

Dependent Claims 3-4, 14-15, 25-26, 32, 34, and 39-41

Applicant respectfully submits that claims 3-4, 14-15, 25-26, 32, 34, and 39-41 being dependent upon respective allowable base claims 1, 10, 17, and 28 are also allowable for at least the foregoing reasons stated above.



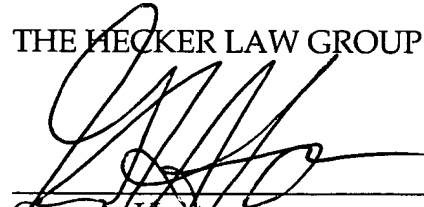
CONCLUSION

For at least the foregoing reasons, Applicant submits that the cited art does not teach or suggest, let alone anticipate, claims 1-48 of the present application. Claims 1-48 are therefore in condition for allowance.

Very truly yours,

THE HECKER LAW GROUP

Date: October 6 2000

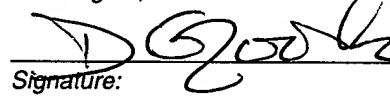


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